#### STATE BOARD OF EDUCATION Action Item November 16, 2016

**SUBJECT:** Approval of Amendments to Rules 6A-4.002, General Provisions and 6A-4.004, Florida Educator's Certificates

#### PROPOSED BOARD ACTION

For Approval

### AUTHORITY FOR STATE BOARD ACTION

Sections 1001.02, 1012.55, 1012.56, Florida Statutes

#### EXECUTIVE SUMMARY

Proposed Rule 6A-4.002, F.A.C., is recommended for amendment to adopt language to clarify general provisions for acceptable means of satisfying subject area mastery and to allow acceptance of successful completion of the Basic Program of the Defense Language Institute (DLI) and passing scores on the Defense Language Proficiency Test (DLPT).

Changes are proposed to:

- specify passing scores of two (2) or higher on the DLPT reading and listening subtests; and
- insert a reference to the Basic Program of the DLI as an acceptable means of demonstrating subject area mastery.

Proposed Rule 6A-4.004, F.A.C., is recommended for amendment to update specifications for issuance of a standard, renewable Professional Certificate and to add alternative requirements for certification in a science, technology, engineering or math (STEM) area in grades 6-12.

Changes are proposed to:

- specify the eligibility and application requirements for issuance of a standard Professional Certificate;
- insert reference to renewal and reinstatement provisions for a Professional Certificate;
- As alternative requirements for a Professional Certificate:
- specify an advanced degree in a STEM major from an acceptable institution;
- specify teaching a STEM high school course with a corresponding standardized state or national exam, identified on the incorporated Florida STEM Course List;
- specify use of the incorporated STEM-2016 form for district verification of the summative performance evaluation rating of highly effective based in part on student performance for the identified STEM high school course; and
- specify the achievement of passing scores on educator certification exams.

**Supporting Documentation Included:** Proposed Rules 6A-4.002 and 6A-4.004; Florida STEM Course List; and District Verification Form-STEM 2016

Facilitator/Presenter: Brian Dassler, Deputy Chancellor of Educator Quality

#### 6A-4.002 General Provisions.

(1) through (3) No change.

(4) Examinations. The examinations used for demonstration of mastery of general knowledge, professional education competence, and subject area knowledge shall be aligned with student standards approved by the State Board of Education pursuant to Sections 1012.56(4) and (9)(f), F.S. and Rule 6A-1.09401, F.A.C.

(a) through (d) No change.

(e) Achievement of a passing score of a two (2) or above on the reading subtest and a two (2) or above on the listening subtest of the Defense Language Proficiency TEST (DLPT) shall satisfy subject area specialization requirements and mastery of subject area knowledge in the comparable certification in a world language. Official documentation of successful completion of the Defense Language Institute Foreign Language Center (DLI) program as specified in Rule 6A-4.0243, F.A.C., may also be used to satisfy subject area specialization requirements and mastery of subject area knowledge

(f) Effective for tests administered on or after July 1, 2015, achievement of passing scores, as identified by the State Board of Education pursuant to subsection 6A-4.0021(12), F.A.C., on test sections of the Graduate Record Examination (GRE) revised General Test shall satisfy the requirement for mastery of general knowledge as demonstrated on the comparable and relevant subtests of the General Knowledge (GK) Test of the Florida Teacher Certification Examinations (FTCE), as follows:

1. The Analytical Writing section of the Graduate Record Examination (GRE) revised General Test shall be acceptable as equivalent to the General Knowledge (GK) Essay subtest.

2. The Quantitative Reasoning section of the Graduate Record Examination (GRE) revised General Test shall be acceptable as equivalent to the General Knowledge (GK) Mathematics subtest.

3. The Verbal Reasoning section of the Graduate Record Examination (GRE) revised General Test shall be acceptable as equivalent to both the General Knowledge (GK) English Language Skills and the General Knowledge (GK) Reading subtests.

(5) through (6) No change.

Rulemaking Authority 1001.02, 1012.55, 1012.56 FS. Law Implemented 1001.10(5)(b), 1012.55, 1012.56 FS. History–New 4-10-64, Amended 4-8-68, 4-11-70, 10-18-71, 3-19-72, 12-18-72, 6-17-73, 4-19-74, Repromulgated 12-5-74, Amended 6-22-76, 6-27-77, 12-26-77, 4-27-78, 7-1-79, 7-2-79, 6-26-80, 7-28-81, 1-3-82, 5-11-82, 6-22-83, 3-28-84, 1-31-85, 3-13-85, Joint Administrative Objection Filed – See FAR Vol. 12, No. 11, March 14, 1986, Formerly 6A-4.02, Amended 12-25-86, 10-18-88, 1010-89, 4-15-91, 11-10-92, 5-30-94, 11-13-96, 10-15-01, 12-27-04, 7-27-06, Joint Administrative Procedures Committee objection resolved by Chapter 86-156, Laws of Florida, Florida Administrative Register Vol. 35, No. 27, July 10, 2009, Amended 1-1-14, 12-31-14, 10-26-15, 6-23-16.

# 6A-4.004 Florida Educator's Certificates with Academic, Administrative, Degreed Career and Technical, and Specialty Class Coverages.

A Florida educator's certificate is issued to an applicant with academic, administrative, degreed career and technical, and specialty class coverages as specified below.

(1) No change.

(2) Professional certificate. The professional certificate is the highest type of full time certificate issued. The professional certificate is issued to an applicant who meets the requirements as specified in Sections 1012.56(1), (2), (3), (5) and (6), F.S. However, if a subject area test has not been developed and the absence of such test prohibits an individual from obtaining a professional certificate or adding a subject to a professional certificate, the employing Florida district superintendent or chief administrative officer of a state supported or nonpublic school may verify the attainment of the essential subject matter competencies.

(a) The professional certificate is the standard, renewable type of certificate issued by the Department of Education to an applicant who meets the following eligibility requirements:

1. Completes the application requirements as specified in Rule 6A-4.0012, F.A.C., and,

2. Satisifes all eligibility criteria specified in Section 1012.56(2), F.S.

(b) A standard, renewable professional certificate covering a science, technology, engineering or mathematics (STEM) subject in grades 6 though 12 may be issued to an applicant who meets the following eligibility requirements:

1. Completes the application requirements as specified in Rule 6A-4.0012, F.A.C.;

2. Satisifes the eligibility criteria specified in subparagraphs (a) through (h) of Section 1012.56(2), F.S.;

3. Holds a master's or higher degree in a STEM area from an acceptable institution as defined in Rule 6A-4.003, F.A.C.;

4. Achieves a passing score on the Florida professional education test; and,

5. Achieves a "summative evaluation rating" of highly effective on the teacher's most recent annual

performance evaluation assessed by an evaluation system approved pursuant to Rule 6A-5.030, F.A.C. The summative evaluation rating must be based in part on teaching a high school course in the same STEM subject area as the teacher's advanced degree for which student performance is measured by one of the following:

a. A Florida statewide, standardized assessment;

b. An Advanced Placement (AP) examination;

c. An Advanced International Certificate of Education (AICE) examination; or

d. An International Baccalaureate (IB) examination.

The district shall verify, using the district verification form, "STEM-2016" (DOS link) (effective December 2016), which is herein incorporated by reference and made part of this rule, that its calculation of the highly effective summative evaluation rating is based in part on the performance of students as measured by one of the above specified statewide, standardized or national assessments for a high school course listed in the publication, "Florida STEM Course List," (DOS link) (effective December 2016), which is herein incorporated by reference and made a part of this rule. Both incorporated documents may be obtained without cost from the Bureau of Educator Certification, Department of Education, 325 West Gaines Street, Tallahassee, Florida 32399.

(c) The standard professional certificate may be renewed or extended based on provisions specified in Rule 6A-4.0051, F.A.C.

(3) through (8) No change.

Rulemaking Authority 1001.02, 1012.55, 1012.56 FS. Law Implemented 1012.55, 1012.56 FS. History–New 4-20-64, Amended 4-8-68, 7-7-68, 4-11-69, 4-11-70, 9-17-72, 8-17-74, Repromulgated 12-5-74, Amended 11-9-76, 7-1-79, 8-27-80, 1-3-82, 4-26-84, 11-18-84, 6-18-85, Formerly 6A-4.04, Amended 12-25-86, 10-18-88, 9-12-89, 12-4-89, 4-15-91, 10-10-91, 5-3-94, 10-15-01, 12-27-04, 11-26-08, 3-5-14.



Florida Department of Education Bureau of Educator Certification Room 201, Turlington Building 325 West Gaines Street Tallahassee, FL 32399-0400

Communication Number
STEM-2016

Applicant Information		
Social Security Number	First Name	
Middle Name	Last Name	
Address:		
Street Address including apartment of unit nu	nber	
City		State Zip Code

## Verification of Completion of Alternative Requirements for STEM Teacher Certification

School Year for which Highly Effective Summative Evaluation Rating Earned: Required Standardized Assessment Type (circle):						
Begin:		<u>//</u> <u>DD / YYYY</u> <b>End:</b> <u>/_//</u> <u>DD / YYYY</u>		AP / IB / AICE / FL-EOC		
			rse(s) as Tea	cher of Record fo		y Effective" Rating Earned:
Course Nu	nber:	Course Title:				Required Standardized Assessment Title:
	Adva	anced STEM Degree	e Major(s):		I	Eligible STEM Certificate Subject Area(s):
		Verify additional	Professiona	l Certificate Req	uirements by C	hecking Each of the Boxes Below
	Арр	licant achieved a pa	assing scor	e on all subtests	of the General	Knowledge Exam.
	Applicant achieved a passing score on each of the appropriate <b>Subject Area Exam</b> (s).					
	Applicant achieved a passing score on the <b>Professional Education Exam</b> .					
On behalf of						
By my signature, I certify the data and information entered on this form is true and accurate.						
		Signature of	Superinter	ndent or Authoriz	ed Designee	Date
Printed Name of Superintendent or Authorized Designee						

Image: Biology 1Image: Biology 1Image		Florida STEM Course List			
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Exam	Course Name	Course Number	Certification 6-12
IB	Middle Years Programme Integrated Science	2002415	Chemistry
IB	Middle Years Programme Integrated Science	2002415	Biology
IB	Middle Years Programme Integrated Science	2002415	Physics
IB	Middle Years Programme Integrated Science	2002415	Earth-Space Science
IB	Pre-Calculus	1202375	Mathematics
IB	Calculus and Descriptive Statistics	1202810	Mathematics
IB	Further Math 1	1202820	Mathematics
IB	Further Math 2	1202825	Mathematics
IB	Advanced Calculus	1202830	Mathematics
IB	Math Studies	1209800	Mathematics
IB	Math Higher Level 1	1209830	Mathematics
IB	Statistics & Introductory Differential Calculus	1210310	Mathematics
IB	Statistics and Probability	1210323	Mathematics
IB	Discrete Mathematics	1210324	Mathematics
IB	Sets, Relations, and Groups	1210325	Mathematics
IB	Middle Years Programme Pre- Calculus	1202380	Mathematics
IB	Computer Science 1	0200800	Computer Science K-12
IB	Computer Science 2	0200810	Computer Science K-12
IB	Computer Science 3	0200820	Computer Science K-12
IB	Middle Years Programme Design Technology	0200830	Computer Science K-12
AICE	Biology 1 AS Level	2000321	Biology
AICE	Biology 2 A Level	2000323	Biology
AICE	Environmental Management AS Level	2001381	Earth Space Science
AICE	Environmental Management AS Level	2001381	Biology
AICE	Environmental Management AS Level	2001381	Chemistry
AICE	Marine Science 1 AS Level	2002515	Chemistry
AICE	Marine Science 1 AS Level	2002515	Earth Space Science
AICE	Marine Science 1 AS Level	2002515	Physics
AICE	Marine Science 1 AS Level	2002515	Biology

	Florida STEW Course List			
Exam	Course Name	Course Number	Certification 6-12	
AICE	Marine Science 2 A Level	2002535	Earth Space Science	
AICE	Marine Science 2 A Level	2002535	Physics	
AICE	Marine Science 2 A Level	2002535	Chemistry	
AICE	Marine Science 2 A Level	2002535	Biology	
AICE	Physical Science AS Level	2003330	Physics	
AICE	Physical Science AS Level	2003330	Chemistry	
AICE	Chemistry 1 AS Level	2003371	Chemistry	
AICE	Chemistry 2 A Level	2003373	Chemistry	
AICE	Physics 1 AS Level	2003431	Physics	
AICE	Physics 2 A Level	2003433	Physics	
AICE	Math 1 AS Level	1202352	Mathematics	
AICE	Math & Mechanics 1 AS Level	1202354	Mathematics	
AICE	Math & Mechanics 2 A Level	1202356	Mathematics	
AICE	Further Math 1 A Level	1202370	Mathematics	
AICE	Further Math 2 A Level	1202372	Mathematics	
AICE	Math & Probability & Statistics 1 AS Level	1202362	Mathematics	
AICE	Math & Probability & Statistics 2 A Level	1202364	Mathematics	
AICE	Math & Mechanics & Probability & Statistics 2 A Level	1202366	Mathematics	
AICE	Math Statistics AS Level	1210330	Mathematics	
AICE	Pre-AICE Additional Math III	1202371	Mathematics	
AICE	Pre-AICE International Mathematics- GCSE Level	1209700	Mathematics	
АР	Chemistry	2003370	Chemistry	
AP	Environmental Science	2001380	Chemistry	
AP	Environmental Science	2001380	Biology	
АР	Environmental Science	2001380	Earth-Space Science	
АР	Computer Science A	0200320 0200330	Computer Science K-12	
АР	Computer Science A Innovation	0200325	Computer Science K-12	
АР	Computer Science Principles	0200335	Computer Science K-12	
АР	Physics 1	2003421	Physics	
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	Florida STEIVI Course List			
Exam	Course Name	Course Number	Certification 6-12	
AP	Physics 2	2003422	Physics	
AP	Physics C: Electricity and Magnetism	2003425	Physics	
АР	Physics C: Mechanics	2003430	Physics	
AP	Calculus AB	1202310	Mathematics	
	Calculus BC	1202320	Mathematics	
АР	Biology	2000340	Biology	
АР	Statistics	1210320	Mathematics	
EOC	Algebra I	1200310	Mathematics	
EOC	Algebra I Honors	1200320	Mathematics	
EOC	Algebra 1-B	1200380	Mathematics	
EOC	Pre-AICE Mathematics 1 IGCSE Level	1209810	Mathematics	
EOC	IB Middle Years Program/Algebra I Honors	1200390	Mathematics	
EOC	Algebra 2	1200330	Mathematics	
EOC	Algebra 2 Honors	1200340	Mathematics	
EOC	IB Middle Years Program/Algebra2	1200395	Mathematics	
EOC	Pre-AICE Mathematics 3 IGCSE Level	1209825	Mathematics	
EOC	Geometry	1206310	Mathematics	
EOC	Geometry Honors	1206320	Mathematics	
EOC	Pre-AICE Mathematics 2 IGCSE Level	1209820	Mathematics	
EOC	IB Middle Years Program Geometry Honors	1206810	Mathematics	
EOC	Biology	2000310	Biology	
EOC	Biology Honors	2000320	Biology	
EOC	Biology Technology	2000430	Biology	
EOC	Integrated Science 3	2002440	Earth Space Science	
EOC	Integrated Science 3	2002440	Biology	
EOC	Integrated Science 3	2002440	Physics	
EOC	Integrated Science 3	2002440	Chemistry	
EOC	Integrated Science 3 Honors	2002450	Earth Space Science	

Exam	Course Name	Course Number	Certification 6-12
EOC	Integrated Science 3 Honors	2002450	Biology
EOC	Integrated Science 3 Honors	2002450	Physics
EOC	Integrated Science 3 Honors	2002450	Chemistry
EOC	Pre-AICE Biology IGCSE Level	2000322	Biology
EOC	Florida's PreIB Biology I	2000800	Biology
EOC	IB Middle Years Program Biology	2000850	Biology

KEY

Algebra 1 EOC	
Algebra 2 EOC	
Geometry EOC	
Biology EOC	